



012627-022.ST25

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Winkler, Ingrid

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Ile	Gln	Arg	Ala	Glu	Asn	Phe	Pro	Arg	Val	Ile	Asn	Asn	Leu	Tyr	Thr		
			325						330					335			
Met	Leu	Gly	Leu	Asn	Ile	His	Gly	Gln	Ser	Ile	Arg	Pro	Arg	Val	Gln		
		340					345						350				
Thr	Gln	Pro	Leu	Gln	Thr	Arg	Pro	Arg	Asn	Pro	Gly	Arg	Ser	Gln	Gln		
	355						360					365					
Gly	Gln	Leu	Asn	Gln	Pro	Arg	Pro	Gln	Asn	Arg	Ala	Asn	Gln	Ser	Tyr		
	370					375					380						
Arg	Pro	Pro	Arg	Gln	Gln	Gln	Gln	His	Ser	Asp	Val	Pro	Glu	Gln	Arg		
385					390					395					400		
Asp	Gln	Arg	Gly	Pro	Ser	Gln	Pro	Pro	Arg	Gly	Ser	Gly	Gly	Gly	Tyr		
			405						410					415			
Asn	Phe	Arg	Arg	Asn	Pro	Gln	Gln	Pro	Gln	Arg	Tyr	Gly	Gln	Gly	Pro		
		420							425				430				
Pro	Gly	Pro	Asn	Pro	Tyr	Arg	Arg	Phe	Gly	Asp	Gly	Gly	Asn	Pro	Gln		
	435						440					445					
Gln	Gln	Gly	Pro	Pro	Pro	Asn	Arg	Gly	Pro	Asp	Gln	Gly	Pro	Arg	Pro		
	450					455					460						
Gly	Gly	Asn	Pro	Arg	Gly	Gly	Gly	Arg	Gly	Gln	Gly	Pro	Arg	Asn	Gly		
465					470					475					480		
Gly	Gly	Ser	Ala	Ala	Ala	Val	His	Thr	Val	Lys	Ala	Ser	Glu	Asn	Glu		
			485						490					495			
Thr	Lys	Asn	Gly	Ser	Ala	Glu	Ala	Val	Asp	Gly	Gly	Lys	Lys	Gly	Gly		
		500						505					510				
Lys	Asp																

<211> 1156

<212> PRT

<213> Feline foamy virus

<400> 9

Met	Asp	Leu	Leu	Lys	Pro	Leu	Thr	Val	Glu	Arg	Lys	Gly	Val	Lys	Ile
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Lys	Gly	Tyr	Trp	Asp	Ser	Gln	Ala	Asp	Ile	Thr	Cys	Val	Pro	Lys	Asp
			20					25					30		
Leu	Leu	Gln	Gly	Glu	Glu	Pro	Val	Arg	Gln	Gln	Asn	Val	Thr	Thr	Ile
		35					40					45			
His	Gly	Thr	Gln	Glu	Gly	Asp	Val	Tyr	Tyr	Val	Asn	Leu	Lys	Ile	Asp
	50					55					60				
Gly	Arg	Arg	Ile	Asn	Thr	Glu	Val	Ile	Gly	Thr	Thr	Leu	Asp	Tyr	Ala
65					70					75					80
Ile	Ile	Thr	Pro	Gly	Asp	Val	Pro	Trp	Ile	Leu	Lys	Lys	Pro	Leu	Glu
				85				90					95		
Leu	Thr	Ile	Lys	Leu	Asp	Leu	Glu	Glu	Gln	Gln	Gly	Thr	Leu	Leu	Asn
			100					105					110		
Asn	Ser	Ile	Leu	Ser	Lys	Lys	Gly	Lys	Glu	Glu	Leu	Lys	Gln	Leu	Phe
		115					120					125			
Glu	Lys	Tyr	Ser	Ala	Leu	Trp	Gln	Ser	Trp	Glu	Asn	Gln	Val	Gly	His
	130					135					140				
Arg	Arg	Ile	Arg	Pro	His	Lys	Ile	Ala	Thr	Gly	Thr	Val	Lys	Pro	Thr
145					150					155					160
Pro	Gln	Lys	Gln	Tyr	His	Ile	Asn	Pro	Lys	Ala	Lys	Pro	Asp	Ile	Gln
				165					170					175	
Ile	Val	Ile	Asn	Asp	Leu	Leu	Lys	Gln	Gly	Val	Leu	Ile	Gln	Lys	Glu
			180					185					190		
Ser	Thr	Met	Asn	Thr	Pro	Val	Tyr	Pro	Val	Pro	Lys	Pro	Asn	Gly	Arg
		195					200					205			
Trp	Arg	Met	Val	Leu	Asp	Tyr	Arg	Ala	Val	Asn	Lys	Val	Thr	Pro	Leu
	210					215					220				
Ile	Ala	Val	Gln	Asn	Gln	His	Ser	Tyr	Gly	Ile	Leu	Gly	Ser	Leu	Phe
225					230					235					240
Lys	Gly	Arg	Tyr	Lys	Thr	Thr	Ile	Asp	Leu	Ser	Asn	Gly	Phe	Trp	Ala
				245					250					255	
His	Pro	Ile	Val	Pro	Glu	Asp	Tyr	Trp	Ile	Thr	Ala	Phe	Thr	Trp	Gln
			260					265					270		
Gly	Lys	Gln	Tyr	Cys	Trp	Thr	Val	Leu	Pro	Gln	Gly	Phe	Leu	Asn	Ser
		275					280					285			
Pro	Gly	Leu	Phe	Thr	Gly	Asp	Val	Val	Asp	Leu	Leu	Gln	Gly	Ile	Pro
	290					295					300				
Asn	Val	Glu	Val	Tyr	Val	Asp	Asp	Val	Tyr	Ile	Ser	His	Asp	Ser	Glu
305					310					315					320
Lys	Glu	His	Leu	Glu	Tyr	Leu	Asp	Ile	Leu	Phe	Asn	Arg	Leu	Lys	Glu
				325					330					335	
Ala	Gly	Tyr	Ile	Ile	Ser	Leu	Lys	Lys	Ser	Asn	Ile	Ala	Asn	Ser	Ile
			340					345					350		
Val	Asp	Phe	Leu	Gly	Phe	Gln	Ile	Thr	Asn	Glu	Gly	Arg	Gly	Leu	Thr
		355					360					365			
Asp	Thr	Phe	Lys	Glu	Lys	Leu	Glu	Asn	Ile	Thr	Ala	Pro	Thr	Thr	Leu
	370					375					380				
Lys	Gln	Leu	Gln	Ser	Ile	Leu	Gly	Leu	Leu	Asn	Phe	Ala	Arg	Asn	Phe
385					390					395					400
Ile	Pro	Asp	Phe	Thr	Glu	Leu	Ile	Ala	Pro	Leu	Tyr	Ala	Leu	Ile	Pro
				405				410					415		
Lys	Ser	Thr	Lys	Asn	Tyr	Val	Pro	Trp	Gln	Ile	Glu	His	Ser	Thr	Thr

			420					425				430					
Leu	Glu	Thr	Leu	Ile	Thr	Lys	Leu	Asn	Gly	Ala	Glu	Tyr	Leu	Gln	Gly		
			435					440				445					
Arg	Lys	Gly	Asp	Lys	Thr	Leu	Ile	Met	Lys	Val	Asn	Ala	Ser	Tyr	Thr		
			450				455					460					
Thr	Gly	Tyr	Ile	Arg	Tyr	Tyr	Asn	Glu	Gly	Glu	Lys	Lys	Pro	Ile	Ser		
465					470					475					480		
Tyr	Val	Ser	Ile	Val	Phe	Ser	Lys	Thr	Glu	Leu	Lys	Phe	Thr	Glu	Leu		
			485						490					495			
Glu	Lys	Leu	Leu	Thr	Thr	Val	His	Lys	Gly	Leu	Leu	Lys	Ala	Leu	Asp		
			500					505					510				
Leu	Ser	Met	Gly	Gln	Asn	Ile	His	Val	Tyr	Ser	Pro	Ile	Val	Ser	Met		
		515					520					525					
Gln	Asn	Ile	Gln	Lys	Thr	Pro	Gln	Thr	Ala	Lys	Lys	Ala	Leu	Ala	Ser		
		530				535						540					
Arg	Trp	Leu	Ser	Trp	Leu	Ser	Tyr	Leu	Glu	Asp	Pro	Arg	Ile	Arg	Phe		
545					550					555					560		
Phe	Tyr	Asp	Pro	Gln	Met	Pro	Ala	Leu	Lys	Asp	Leu	Pro	Ala	Val	Asp		
			565						570					575			
Thr	Gly	Lys	Asp	Asn	Lys	Lys	His	Pro	Ser	Asn	Phe	Gln	His	Ile	Phe		
			580					585					590				
Tyr	Thr	Asp	Gly	Ser	Ala	Ile	Thr	Ser	Pro	Thr	Lys	Glu	Gly	His	Leu		
		595					600					605					
Asn	Ala	Gly	Met	Gly	Ile	Val	Tyr	Phe	Ile	Asn	Lys	Asp	Gly	Asn	Leu		
		610				615						620					
Gln	Lys	Gln	Gln	Glu	Trp	Ser	Ile	Ser	Leu	Gly	Asn	His	Thr	Ala	Gln		
625					630					635					640		
Phe	Ala	Glu	Ile	Ala	Ala	Phe	Glu	Phe	Ala	Leu	Lys	Lys	Cys	Leu	Pro		
			645					650						655			
Leu	Gly	Gly	Asn	Ile	Leu	Val	Val	Thr	Asp	Ser	Asn	Tyr	Val	Ala	Lys		
			660					665					670				
Ala	Tyr	Asn	Glu	Glu	Leu	Asp	Val	Trp	Ala	Ser	Asn	Gly	Phe	Val	Asn		
		675				680						685					
Asn	Arg	Lys	Lys	Pro	Leu	Lys	His	Ile	Ser	Lys	Trp	Lys	Ser	Val	Ala		
		690				695					700						
Asp	Leu	Lys	Arg	Leu	Arg	Pro	Asp	Val	Val	Val	Thr	His	Glu	Pro	Gly		
705					710					715					720		
His	Gln	Lys	Leu	Asp	Ser	Ser	Pro	His	Ala	Tyr	Gly	Asn	Asn	Leu	Ala		
			725					730						735			
Asp	Gln	Leu	Ala	Thr	Gln	Ala	Ser	Phe	Lys	Val	His	Met	Thr	Lys	Asn		
			740					745					750				
Pro	Lys	Leu	Asp	Ile	Glu	Gln	Ile	Lys	Ala	Ile	Gln	Ala	Cys	Gln	Asn		
		755				760						765					
Asn	Glu	Arg	Leu	Pro	Val	Gly	Tyr	Pro	Lys	Gln	Tyr	Thr	Tyr	Glu	Leu		
		770				775					780						
Gln	Asn	Asn	Lys	Cys	Met	Val	Leu	Arg	Lys	Asp	Gly	Trp	Arg	Glu	Ile		
785					790					795					800		
Pro	Pro	Ser	Arg	Glu	Arg	Tyr	Lys	Leu	Ile	Lys	Glu	Ala	His	Asn	Ile		
			805					810						815			
Ser	His	Ala	Gly	Arg	Glu	Ala	Val	Leu	Leu	Lys	Ile	Gln	Glu	Asn	Tyr		
			820					825					830				
Trp	Trp	Pro	Lys	Met	Lys	Lys	Asp	Ile	Ser	Ser	Phe	Leu	Ser	Thr	Cys		
		835					840					845					
Asn	Val	Cys	Lys	Met	Val	Asn	Pro	Leu	Asn	Leu	Lys	Pro	Ile	Ser	Pro		
		850				855					860						
Gln	Ala	Ile	Val	His	Pro	Thr	Lys	Pro	Phe	Asp	Lys	Phe	Tyr	Met	Asp		
865					870					875					880		
Tyr	Ile	Gly	Pro	Leu	Pro	Pro	Ser	Glu	Gly	Tyr	Val	His	Val	Leu	Val		

Val	Val	Asp	Ala	Ala	Thr	Gly	Phe	Thr	Trp	Leu	Tyr	Pro	Thr	Lys	Ala
			900					905					910		
Gln	Thr	Ser	Lys	Ala	Thr	Ile	Lys	Val	Leu	Asn	His	Leu	Thr	Gly	Leu
		915					920					925			
Ala	Ile	Pro	Lys	Val	Leu	His	Ser	Asp	Gln	Gly	Ser	Ala	Phe	Thr	Ser
	930					935					940				
Glu	Glu	Phe	Ala	Gln	Trp	Ala	Lys	Glu	Arg	Asn	Ile	Gln	Leu	Glu	Phe
945					950					955					960
Ser	Thr	Pro	Tyr	His	Pro	Gln	Ser	Ser	Gly	Lys	Val	Glu	Arg	Lys	Asn
			965						970					975	
Ser	Glu	Ile	Lys	Lys	Leu	Leu	Thr	Lys	Leu	Leu	Val	Gly	Arg	Pro	Leu
		980						985					990		
Lys	Trp	Tyr	Asn	Leu	Ile	Ser	Ser	Val	Gln	Leu	Ala	Leu	Asn	Asn	Thr
		995						1000					1005		
His	Val	Val	Ser	Thr	Lys	Tyr	Thr	Pro	His	Gln	Leu	Met	Phe	Gly	Ile
	1010					1015						1020			
Asp	Cys	Asn	Leu	Pro	Phe	Ala	Asn	Lys	Asp	Thr	Leu	Asp	Trp	Thr	Arg
1025					1030					1035					1040
Glu	Glu	Glu	Leu	Ala	Leu	Leu	Gln	Glu	Ile	Arg	Glu	Ser	Leu	Gln	His
				1045						1050					1055
Pro	Val	Gln	Pro	Pro	Thr	Cys	Ser	Gly	Trp	Ser	Pro	Tyr	Val	Gly	Gln
			1060						1065					1070	
Leu	Val	Gln	Glu	Arg	Val	Tyr	Arg	Pro	Ser	Gln	Leu	Arg	Pro	Lys	Trp
		1075					1080						1085		
Arg	Lys	Pro	Thr	Lys	Val	Leu	Glu	Ile	Leu	Asn	Pro	Arg	Thr	Val	Ile
	1090					1095							1100		
Ile	Val	Asp	His	Leu	Gly	Gln	Arg	Lys	Ser	Val	Ser	Ile	Asp	Asn	Leu
1105					1110						1115				1120
Lys	Pro	Thr	Ala	His	Gln	His	Asn	Gly	Thr	Arg	Thr	Cys	Asp	Asp	Pro
				1125					1130					1135	
Glu	Gly	Met	Asp	Gly	Met	Glu	Cys	Ser	Gln	Thr	Thr	Thr	Glu	Thr	Ser
			1140						1145					1150	
Val	Asp	Ser	Ser												
			1155												

<210> 10
 <211> 982
 <212> PRT
 <213> Feline foamy virus

<400> 10

Met	Glu	Gln	Glu	His	Val	Met	Thr	Leu	Lys	Glu	Trp	Met	Glu	Trp	Asn
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Ala	His	Lys	Gln	Leu	Gln	Lys	Leu	Gln	Ser	Thr	His	Pro	Glu	Leu	His
			20					25					30		
Val	Asp	Ile	Pro	Glu	Asp	Ile	Pro	Leu	Val	Pro	Glu	Lys	Val	Pro	Leu
		35					40					45			
Lys	Met	Arg	Met	Arg	Tyr	Arg	Cys	Tyr	Thr	Leu	Cys	Ala	Thr	Ser	Thr
	50					55						60			
Arg	Ile	Met	Phe	Trp	Ile	Leu	Phe	Phe	Leu	Leu	Cys	Phe	Ser	Ile	Val
65					70					75					80
Thr	Leu	Ser	Thr	Ile	Ile	Ser	Ile	Leu	Arg	Tyr	Gln	Trp	Lys	Glu	Ala
				85					90					95	
Ile	Thr	His	Pro	Gly	Pro	Val	Leu	Ser	Trp	Gln	Val	Thr	Asn	Ser	His
			100					105					110		
Val	Thr	Met	Gly	Gly	Asn	Thr	Ser	Ser	Ser	Ser	Arg	Arg	Arg	Arg	Asp

		115					120				125					
Ile	Gln	Tyr	His	Lys	Leu	Pro	Val	Glu	Val	Asn	Ile	Ser	Gly	Ile	Pro	
	130					135					140					
Gln	Gly	Leu	Phe	Phe	Ala	Pro	Gln	Pro	Lys	Pro	Ile	Phe	His	Lys	Glu	
145					150					155					160	
Arg	Thr	Leu	Gly	Leu	Ser	Gln	Val	Ile	Leu	Ile	Asp	Ser	Asp	Thr	Ile	
				165					170					175		
Thr	Gln	Gly	His	Ile	Lys	Gln	Gln	Lys	Ala	Tyr	Leu	Val	Ser	Thr	Ile	
			180					185					190			
Asn	Glu	Glu	Met	Glu	Gln	Leu	Gln	Lys	Thr	Val	Leu	Pro	Phe	Asp	Leu	
	195					200					205					
Pro	Ile	Lys	Asp	Pro	Leu	Thr	Gln	Lys	Glu	Tyr	Ile	Glu	Lys	Arg	Cys	
	210					215					220					
Phe	Gln	Lys	Tyr	Gly	His	Cys	Tyr	Val	Ile	Ala	Phe	Asn	Gly	Asn	Lys	
225					230					235					240	
Val	Trp	Pro	Ser	Gln	Asp	Leu	Ile	Gln	Asp	Gln	Cys	Pro	Leu	Pro	Pro	
				245					250					255		
Arg	Phe	Gly	Asn	Asn	Leu	Lys	Tyr	Arg	Asn	His	Thr	Ile	Trp	Lys	Tyr	
			260					265					270			
Tyr	Ile	Pro	Leu	Pro	Phe	Lys	Val	Ser	Ser	Asn	Trp	Thr	Arg	Val	Glu	
	275						280					285				
Ser	Tyr	Gly	Asn	Ile	Arg	Ile	Gly	Ser	Phe	Lys	Val	Pro	Asp	Glu	Phe	
	290					295					300					
Arg	Gln	Asn	Ala	Thr	His	Gly	Ile	Phe	Cys	Ser	Asp	Ala	Leu	Tyr	Ser	
305					310					315					320	
Asn	Trp	Tyr	Pro	Arg	Asp	Leu	Pro	Ser	Ser	Val	Gln	Gln	Ser	Phe	Ala	
				325					330					335		
Gln	Ala	Tyr	Ile	Thr	Lys	Val	Leu	Met	Lys	Arg	Lys	Lys	Gln	Pro	Thr	
			340					345					350			
Leu	Arg	Asp	Ile	Ala	Phe	Pro	Lys	Glu	Leu	Ser	Pro	Val	Gly	Ser	Gly	
		355					360					365				
Met	Leu	Phe	Arg	Pro	Ile	Asn	Pro	Tyr	Asp	Ile	Cys	Asn	Met	Pro	Arg	
	370					375					380					
Ala	Val	Leu	Leu	Leu	Asn	Lys	Thr	Tyr	Tyr	Thr	Phe	Ser	Leu	Trp	Glu	
385					390					395					400	
Gly	Asp	Cys	Gly	Tyr	Tyr	Gln	His	Asn	Leu	Thr	Leu	His	Pro	Ala	Cys	
			405						410					415		
Lys	Asn	Phe	Asn	Arg	Thr	Arg	Gln	Asp	His	Pro	Tyr	Ala	Cys	Arg	Phe	
			420					425					430			
Trp	Arg	Asn	Lys	Tyr	Asp	Ser	Glu	Ser	Val	Gln	Cys	Tyr	Asn	Asn	Asp	
		435					440					445				
Met	Cys	Tyr	Tyr	Arg	Pro	Leu	Tyr	Asp	Gly	Thr	Glu	Asn	Thr	Glu	Asp	
	450					455					460					
Trp	Gly	Trp	Leu	Ala	Tyr	Thr	Asp	Ser	Phe	Pro	Ser	Pro	Ile	Cys	Ile	
465					470					475					480	
Glu	Glu	Lys	Arg	Ile	Trp	Lys	Lys	Asn	Tyr	Thr	Leu	Ser	Ser	Val	Leu	
			485						490					495		
Ala	Glu	Cys	Val	Asn	Gln	Ala	Met	Glu	Tyr	Gly	Ile	Asp	Glu	Val	Leu	
			500					505					510			
Ser	Lys	Leu	Asp	Leu	Ile	Phe	Gly	Asn	Leu	Thr	His	Gln	Ser	Ala	Asp	
		515					520					525				
Glu	Ala	Phe	Ile	Pro	Val	Asn	Asn	Phe	Thr	Trp	Pro	Arg	Tyr	Glu	Lys	
	530					535					540					
Gln	Asn	Lys	Gln	Gln	Lys	Thr	Ser	Cys	Glu	Arg	Lys	Lys	Gly	Arg	Arg	
545					550					555					560	
Gln	Arg	Arg	Ser	Val	Ser	Thr	Glu	Asn	Leu	Arg	Arg	Ile	Gln	Glu	Ala	
			565						570					575		
Gly	Leu	Gly	Leu	Ala	Asn	Ala	Ile	Thr	Thr	Val	Ala	Lys	Ile	Ser	Asp	

Leu	Asn	Asp	Gln	Lys	Leu	Ala	Lys	Gly	Val	His	Leu	Leu	Arg	Asp	His
		595					600					605			
Val	Val	Thr	Leu	Met	Glu	Ala	Asn	Leu	Asp	Asp	Ile	Val	Ser	Leu	Gly
	610					615					620				
Glu	Gly	Ile	Gln	Ile	Glu	His	Ile	His	Asn	His	Leu	Thr	Ser	Leu	Lys
625					630					635					640
Leu	Leu	Thr	Leu	Glu	Asn	Arg	Ile	Asp	Trp	Arg	Phe	Ile	Asn	Asp	Ser
				645					650					655	
Trp	Ile	Gln	Glu	Glu	Leu	Gly	Val	Ser	Asp	Asn	Ile	Met	Lys	Val	Ile
		660							665				670		
Arg	Lys	Thr	Ala	Arg	Cys	Ile	Pro	Tyr	Asn	Val	Lys	Gln	Thr	Arg	Asn
		675					680					685			
Leu	Asn	Thr	Ser	Thr	Ala	Trp	Glu	Ile	Tyr	Leu	Tyr	Tyr	Glu	Ile	Ile
	690					695					700				
Ile	Pro	Thr	Thr	Ile	Tyr	Thr	Gln	Asn	Trp	Asn	Ile	Lys	Asn	Leu	Gly
705					710					715					720
His	Leu	Val	Arg	Asn	Ala	Gly	Tyr	Leu	Ser	Lys	Val	Trp	Ile	Gln	Gln
				725					730					735	
Pro	Phe	Glu	Val	Leu	Asn	Gln	Glu	Cys	Gly	Thr	Asn	Ile	Tyr	Leu	His
			740					745					750		
Met	Glu	Glu	Cys	Val	Asp	Gln	Asp	Tyr	Ile	Ile	Cys	Glu	Glu	Val	Met
	755						760					765			
Glu	Leu	Pro	Pro	Cys	Gly	Asn	Gly	Thr	Gly	Ser	Asp	Cys	Pro	Val	Leu
	770					775					780				
Thr	Lys	Pro	Leu	Thr	Asp	Glu	Tyr	Leu	Glu	Ile	Glu	Pro	Leu	Lys	Asn
785					790						795				800
Gly	Ser	Tyr	Leu	Val	Leu	Ser	Ser	Thr	Thr	Asp	Cys	Gly	Ile	Pro	Ala
				805					810					815	
Tyr	Val	Pro	Val	Val	Ile	Thr	Val	Asn	Asp	Thr	Ile	Ser	Cys	Phe	Asp
			820					825					830		
Lys	Glu	Phe	Lys	Arg	Pro	Leu	Lys	Gln	Glu	Leu	Lys	Val	Thr	Lys	Tyr
		835					840					845			
Ala	Pro	Ser	Val	Pro	Gln	Leu	Glu	Leu	Arg	Val	Pro	Arg	Leu	Thr	Ser
	850					855					860				
Leu	Ile	Ala	Lys	Ile	Lys	Gly	Ile	Gln	Ile	Glu	Ile	Thr	Ser	Ser	Trp
865					870					875					880
Glu	Thr	Ile	Lys	Glu	Gln	Val	Ala	Arg	Ala	Lys	Ala	Glu	Leu	Leu	Arg
				885					890					895	
Leu	Asp	Leu	His	Glu	Gly	Asp	Tyr	Pro	Glu	Trp	Leu	Gln	Leu	Leu	Gly
			900					905					910		
Glu	Ala	Thr	Lys	Asp	Val	Trp	Pro	Thr	Ile	Ser	Asn	Phe	Val	Ser	Gly
		915					920					925			
Ile	Gly	Asn	Phe	Ile	Lys	Asp	Thr	Ala	Gly	Gly	Ile	Phe	Gly	Thr	Ala
	930					935					940				
Phe	Ser	Phe	Leu	Gly	Tyr	Val	Lys	Pro	Val	Leu	Leu	Gly	Phe	Val	Ile
945					950					955					960
Ile	Phe	Cys	Ile	Ile	Leu	Ile	Ile	Lys	Ile	Ile	Gly	Trp	Leu	Gln	Asn
				965					970					975	
Thr	Arg	Lys	Lys	Asp	Gln										
			980												

<210> 11

<211> 209

<212> PR7

<213> Feline foamy virus

<400> 11

Met	Ala	Ser	Lys	Tyr	Pro	Glu	Glu	Gly	Pro	Ile	Thr	Glu	Gly	Val	Glu
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Glu	Asp	Phe	Asn	Ser	His	Ser	Thr	Ser	Gly	Leu	Asp	Leu	Thr	Ser	Gly
			20					25					30		
Asn	Lys	Glu	Glu	Pro	Leu	Ile	Ser	Leu	Ala	Leu	Leu	Ser	Met	His	Thr
		35					40					45			
Ser	Lys	Ile	Val	Val	Trp	Ile	Arg	Asp	His	Phe	Phe	Val	Lys	Ile	Leu
	50					55				60					
Ser	Phe	Gly	Gly	Lys	Gln	Lys	Leu	Tyr	Tyr	Ile	Cys	Asn	Gln	Cys	His
65					70				75						80
Lys	Gly	Ile	Pro	Glu	Ser	Gly	Tyr	Ile	Thr	Leu	Asn	Thr	Lys	Tyr	Tyr
			85					90					95		
Leu	Tyr	Glu	Lys	Gly	Pro	Thr	Glu	Thr	Gly	Thr	Lys	Gly	Leu	Thr	Leu
			100					105					110		
Met	Arg	Arg	His	Val	Gln	Asn	Ser	Pro	Cys	Phe	Leu	Asn	Ser	Arg	Lys
		115					120					125			
Glu	Ser	Gly	Thr	Pro	Lys	Thr	Asp	Pro	Thr	Arg	Pro	Ala	Thr	Ser	Tyr
	130					135				140					
Ser	Leu	Cys	Arg	Ser	Asp	Tyr	Gln	Glu	Ala	Gly	Cys	Ser	Arg	Pro	Thr
145					150					155					160
Pro	Ser	Asn	Ser	Glu	Ser	Val	Cys	Asn	Gly	Leu	Gly	Gln	Pro	Ser	Glu
			165					170					175		
Arg	Gly	His	Thr	Ser	Gly	Glu	Ser	Gly	Gly	Ile	Met	Glu	Glu	Val	Ser
			180					185					190		
Phe	Ile	Ser	Trp	Leu	Glu	Gly	Leu	Trp	Gly	Glu	Gly	Phe	Asp	Tyr	Ala
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Asn

<210> 12

<211> 357

<212> PRT

<213> Feline foamy virus

<400> 12

Thr	Val	Gly	Lys	Asn	Pro	Glu	His	Pro	Arg	Arg	Ile	Leu	Leu	Val	Leu
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			20					25					30		
Pro	Gly	Pro	Leu	Leu	Pro	Ile	Leu	Ser	Pro	Tyr	Val	Met	Ala	Trp	Asp
		35					40					45			
Asn	Pro	Gln	Asn	Val	Val	Thr	Arg	Leu	Val	Asn	Leu	Gly	Glu	Ser	Trp
	50					55				60					
Lys	Lys	Tyr	Leu	Leu	Ser	Pro	Gly	Trp	Lys	Asp	Cys	Gly	Glu	Arg	Asp
65					70				75						80
Leu	Thr	Met	Leu	Thr	Arg	Glu	Leu	Leu	Val	Pro	Gly	Ile	Gly	Leu	Val
			85					90					95		
Gln	Ile	Ala	Ala	Thr	Leu	Thr	Lys	Thr	Tyr	Val	Leu	Met	Cys	Asn	Gly
			100					105					110		
Arg	Cys	Ile	Thr	Gly	Ser	Arg	Thr	Asp	Pro	Asp	Cys	Asp	Pro	Leu	Phe
		115					120					125			
Cys	Lys	Leu	Leu	Cys	Trp	Lys	Gln	Asn	Ile	Gln	Asp	Pro	Arg	Glu	Cys
		130				135					140				
Asn	Leu	Glu	Glu	Trp	Cys	Leu	Tyr	Ser	Leu	Asp	Pro	Glu	His	Asp	Pro
145					150					155					160
Leu	Trp	Asp	Pro	Lys	Met	Ile	Val	Arg	Arg	His	Arg	Asn	Leu	Leu	Pro

				165				170					175				
Tyr	Cys	Met	Arg	Pro	Phe	Leu	Ile	Trp	Met	Asn	Tyr	Ile	Ser	His	Asn		
			180					185					190				
Pro	Leu	Thr	Gln	Gln	Cys	Ile	Met	Met	Lys	Thr	Leu	Asn	Met	Leu	Trp		
		195					200					205					
Arg	Ala	Gln	Ala	Asp	Asp	Pro	Ser	Asp	Val	Ala	Ser	Leu	Tyr	Pro	Arg		
	210					215					220						
Val	Lys	Val	Phe	Lys	Ala	Ser	His	Phe	Asp	Ile	Phe	Gly	Ser	Ala	Ser		
225					230					235					240		
Gly	Asn	Ser	Glu	Glu	Arg	Val	Ser	Trp	Ala	Lys	Glu	Asn	Ser	His	Arg		
			245						250					255			
Gly	Glu	Tyr	Ser	Leu	Leu	Pro	Ser	Ser	Asp	Asp	Glu	Glu	Glu	Glu	Met		
		260					265						270				
Ser	Glu	Arg	Glu	Glu	Leu	Leu	Cys	His	Ile	Asn	Gln	Cys	Gln	Gln	Lys		
	275						280					285					
Leu	Phe	Tyr	Pro	Gly	Gly	Thr	Thr	Asp	Val	Leu	Gly	Met	Glu	Ser	Asn		
	290					295					300						
Val	Trp	Leu	Thr	Lys	Phe	Val	Asn	Ile	Lys	Phe	Pro	Lys	Gly	Thr	Lys		
305					310					315					320		
Val	Ile	Leu	Pro	Asp	Gly	Arg	Lys	Phe	Ile	Ala	Cys	Asp	Pro	Glu	Leu		
			325						330					335			
Lys	Pro	Leu	Leu	Gln	Glu	Leu	Lys	Phe	Leu	Asp	Arg	Ala	Thr	Ser	Glu		
		340					345						350				
Ser	Ser	Asp	Ser	Glu													
		355															